Index of Claims

Application/Control No. Applicant(s)/Patent under Reexamination

10/064,073 HOEKS ET AL.

Examiner Art Unit

Nathan M. Nutter 1711

| 1 | Rejected | ı | (Through numeral)<br>Cancelled | V | Non-Elected  | Α | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | + | Restricted                     | ı | Interference | 0 | Objected |

| Final Driginal William A 5-04 (4 R |          |                   |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | Cla       | Claim        |          |          |          | Da | Date |                                                  |          |                       | C        | aim      | Date         |         |                 |                                                                   |         |          |            |                    |                                                   |              |          |          |          |          |          |
|------------------------------------|----------|-------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|--------------|----------|----------|----------|----|------|--------------------------------------------------|----------|-----------------------|----------|----------|--------------|---------|-----------------|-------------------------------------------------------------------|---------|----------|------------|--------------------|---------------------------------------------------|--------------|----------|----------|----------|----------|----------|
|                                    |          | ×                 | 9-04-6                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3      | <u>1</u>  | ₹            |          |          |          |    |      |                                                  | -        | П                     | П        | П        | •            |         |                 |                                                                   | 7       |          |            |                    |                                                   | П            |          |          |          |          |          |
| Final                              | Original | 3-04 4            | 2                                                | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16     | รไร้      | 7            |          |          |          |    |      | Final                                            | Original |                       |          | - 1      |              |         |                 |                                                                   |         | Final    | Original   |                    |                                                   |              |          |          | 1        |          |          |
| ΙĒ                                 | Ĕ,       | ģ                 | 19                                               | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1      | 7         | 3            |          |          | ١. ا     |    |      | ιĒ                                               | Ĕ        |                       |          | - 1      |              |         |                 |                                                                   |         | ίΞ       | Ĕ          |                    |                                                   |              |          |          | i l      |          |          |
|                                    |          | _                 | 0                                                | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16     | <u>1</u>  | ᆔ            |          |          |          |    |      |                                                  |          | Щ                     |          | $\perp$  | $\perp$      | $\perp$ | Ш               |                                                                   |         |          |            |                    |                                                   |              | L        |          | $\Box$   | _        |          |
|                                    | 1        | 1                 | 1                                                | Į√                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | V      | 1         | М            |          |          | Ш        |    |      | Ĺ                                                | 51       |                       | _        | _        | $\perp$      |         | Ш               |                                                                   | _       |          | 101        |                    |                                                   | ┸            | L        | Ш        | Ц        | _        |          |
|                                    | 2        | 4                 | 4                                                | Ц                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 41     | 1         | Ц            |          | ш        | Ш        |    |      |                                                  | 52       | $\sqcup$              |          | 4        |              | _       |                 |                                                                   | _       |          | 102        | $\perp$            | _                                                 | 1            | L        |          | $\sqcup$ | _        |          |
|                                    | 3        | Ш                 | 11                                               | Ц                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 41     | 4         | Ц            |          |          | Ш        |    |      |                                                  | 53       |                       | _        | 4        | _ _          | $\bot$  | 1-1             | _                                                                 | _       |          | 103        |                    |                                                   | ┸            | _        | Ш        | <b></b>  | _        | _        |
|                                    | 4        | Щ                 | Ц                                                | Ц                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 44     | 4         | Ш            | _        |          | Щ        |    |      | ļ                                                | 54       | $\sqcup$              | _        | 4        |              | _       |                 |                                                                   | _ ::::  |          | 104        | _                  |                                                   | _            | <u> </u> | Щ        |          | _        |          |
|                                    | 5        | ╙                 | Н                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 11     | +         | Н            |          |          | Ш        |    |      | ļ                                                | 55       | $\sqcup$              | _        | 4        |              | 4.      | $\vdash$        |                                                                   | 4::::   |          | 105        |                    | $\perp$                                           | +            | <u> </u> | Ш        | $\vdash$ | •        | _        |
| <u> </u>                           | 6        | -                 | H                                                | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 44     | 4         | Н            |          | Щ        | Ы        |    |      | <u> </u>                                         | 56       | $\vdash$              | $\dashv$ | 4        | _            | 4       | $\vdash$        | +                                                                 | 4       |          | 106        | $\dashv$           | 4                                                 | +            | ऻ_       | Ш        | $\vdash$ | 4        | 4        |
|                                    | 7        | ₩                 | Н                                                | ₩                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | #      | +         | Н            |          | Щ        | Н        |    |      |                                                  | 57       | $\vdash \vdash$       | $\dashv$ | -        | +            | +       | $\vdash$        | $\perp$                                                           | 4::::   |          | 107        | $\dashv$           | -                                                 | +            | ⊢        | $\vdash$ | $\vdash$ |          | _        |
|                                    | 8        | ₩                 | Н                                                | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ₩      | +         | Н            |          |          | -        |    |      | <u> </u>                                         | 58<br>59 | <del>├</del> ╌┤       | $\dashv$ | +        |              | ┽-      | ╁╌╽             | +                                                                 | -       |          | 108        | -                  |                                                   | +            | ╀        | Н        | $\vdash$ | $\dashv$ | -        |
|                                    | 9        | ₩-                | H                                                | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ₩      | +         | Н            | _        |          | Н        | _  |      | <u> </u>                                         | 60       | ┝                     | +        | $\dashv$ | +            |         | $\vdash$        | +                                                                 | -       |          | 109        | -+                 | +                                                 | ┰            | ⊢        | Н        | $\vdash$ | -+       | 4        |
|                                    | 10       | ₩                 | H                                                | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ₩      | +         | H            | _        | -        | H        |    |      | <u> </u>                                         |          | -                     | +        | +        |              | +       | $\vdash$        | $\dashv$                                                          | -       |          | 110        |                    | +                                                 | +            | ⊢        | Н        | $\vdash$ | $\dashv$ | $\dashv$ |
| <u> </u>                           | 11       | #                 | ₩                                                | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╫      | +         | H            | $\dashv$ | $\vdash$ | $\vdash$ |    |      | <del></del>                                      | 61<br>62 | $\vdash$              | $\dashv$ | $\dashv$ | +            | +       | ++              | +                                                                 | -       | -        | 111<br>112 | +                  | +                                                 | +            | ⊢        | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
| -                                  | 13       | ╫                 | ₩                                                | ╢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ₩      | +         | ₩            | -        | Н        | Н        |    |      | <del>                                     </del> | 63       | ╂╌╂                   | -+       | +        | +            | +       | ╂╌┨             | +                                                                 | -       |          | 113        | +                  | +                                                 | +            | ⊢        | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ |
| <u> </u>                           | 14       | ╫                 | H                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ₩      | +         | H            |          | Н        | Н        |    |      | <del>                                     </del> | 64       | $\vdash \vdash$       | $\dashv$ | $\dashv$ | +            | +       | $\vdash$        | +                                                                 | -       |          | 114        | +                  | +                                                 | +            | $\vdash$ | Н        | $\vdash$ | $\dashv$ | $\dashv$ |
| <b>—</b>                           | 15       | H                 | H                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╫      | +         | H            | -        |          |          | _  |      |                                                  | 65       | ┝┤                    | -        | $\dashv$ | +            | +       | $\vdash \vdash$ | +                                                                 | -       |          | 115        |                    | +                                                 | +            | ╁        | Н        | $\vdash$ | $\dashv$ | $\dashv$ |
| <b></b>                            | 16       | H                 | H                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ₩      | +         | ,            | -        | Н        | $\vdash$ |    |      | <u> </u>                                         | 66       | $\vdash$              | $\dashv$ | +        | +            | +       | $\vdash$        | $\dashv$                                                          | - ::::  |          | 116        | $\dashv$           | +                                                 | ┿            | ┼        | H        | $\vdash$ | $\dashv$ | $\dashv$ |
| <u> </u>                           | 17       | H                 | Н                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | H      | +         | H            | -        | $\vdash$ | Н        |    |      | <u> </u>                                         | 67       |                       | -+       | $\dashv$ | +            | +       | $\vdash$        | +                                                                 | -       |          | 117        | $\dashv$           | +                                                 | +-           | ╁        | Н        | $\vdash$ | $\dashv$ | $\dashv$ |
| <u> </u>                           | 18       | H                 | Н                                                | ╢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╫      | +         | H            | $\dashv$ | Н        | Н        | _  |      |                                                  | 68       | $\vdash \vdash$       | -+       | +        | +            | +       | $\vdash$        | $\dashv$                                                          | ااااا   |          | 118        | $\dashv$           | +                                                 | +-           | ╁╾       | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ |
|                                    | 19       | Н                 | H                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | H      | +         | 11           |          |          | Н        |    |      |                                                  | 69       | $\vdash$              | $\dashv$ | $\dashv$ | +            | +       |                 | +                                                                 | -       |          | 119        |                    | ╅                                                 | +            | 1        | Н        | $\vdash$ | $\dashv$ | $\dashv$ |
| -                                  | 20       | H                 | H                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╫      | +         | H            |          | Н        | Н        | _  |      |                                                  | 70       | -                     | $\dashv$ | $\dashv$ | +            | +-      | $\vdash$        | $\dashv$                                                          | -       |          | 120        | $\dashv$           | +                                                 | +            | ╁        | Н        | $\vdash$ | $\dashv$ | $\dashv$ |
|                                    | 21       | H                 | H                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | H      | +         | H            |          |          | H        | -  |      |                                                  | 71       |                       | $\dashv$ | +        | +            | +       | + 1             |                                                                   | -       |          | 121        | $\dashv$           | +                                                 | +-           | +        | H        | $\vdash$ | -+       | ┪        |
|                                    | 22       | 1                 | V                                                | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |           | <b>V</b>     |          |          | $\vdash$ |    |      |                                                  | 72       | 1                     | +        | -+       | -+-          | +       | ╁╌┧             | -                                                                 | ٠       |          | 122        | +                  | +-                                                | +            | $\vdash$ |          | $\vdash$ | -        | $\dashv$ |
|                                    | 23       | Ļ                 | ť                                                | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | +      | $^{+}$    | ┧            |          |          | Н        |    |      |                                                  | 73       | $\vdash$              | +        | +        | -            | +       | +               |                                                                   | -       |          | 123        | $\dashv$           | +                                                 | ╅            | 1        | H        | $\vdash$ | +        | -        |
|                                    | 24       | ┢╌                | <del>                                     </del> | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╁      | +         | $\dashv$     | $\dashv$ | $\vdash$ | Н        | _  |      | $\vdash$                                         | 74       | $\vdash$              | $\dashv$ | 十        | $\dashv$     | ╅       | $\Box$          | $\dashv$                                                          | 7       |          | 124        | $\dashv$           | ╅                                                 | +            | $\vdash$ | Н        | $\dashv$ | $\dashv$ | ⊣        |
|                                    | 25       | Н                 | $\vdash$                                         | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | +      | $\dagger$ | コ            |          |          | Н        | _  |      |                                                  | 75       | 1-1                   | $\dashv$ | 寸        | $\top$       | $\top$  | $\Box$          | $\dashv$                                                          | ┧Ш      |          | 125        | $\dashv$           | T                                                 | +            |          |          | $\sqcap$ | _        | $\neg$   |
|                                    | 26       | -                 | 1                                                | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 十      | $\dagger$ | 7            |          |          | Н        |    |      |                                                  | 76       | $\Box$                | _        | +        | +            | ╅       | $\Box$          | -  -                                                              |         |          | 126        |                    | †                                                 | +-           |          |          | 一        | 寸        |          |
|                                    | 27       |                   |                                                  | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | T      | †         | 1            |          |          |          |    |      |                                                  | 77       | $\Box$                | $\neg$   | 7        | $\neg$       | $\top$  | П               |                                                                   | 7       |          | 127        |                    | 十                                                 | 1            |          |          | $\sqcap$ |          | T        |
|                                    | 28       | $\vdash$          | $\vdash$                                         | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | +      | †         | 寸            |          |          | П        | _  |      |                                                  | 78       |                       | 丁        | ┪        |              | $\top$  | $\Box$          |                                                                   | 7       |          | 128        | $\neg$             | $\top$                                            | ╅            |          | П        | $\Box$   | ヿ        | T        |
|                                    | 29       |                   | Г                                                | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1      | T         | T            |          |          | П        |    |      |                                                  | 79       | $\Box$                | $\neg$   | ╛        |              |         |                 |                                                                   |         |          | 129        |                    | T                                                 | 1            |          | П        | П        |          | ヿ゙       |
|                                    | 30       |                   |                                                  | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\top$ | $\top$    | $\exists$    |          |          |          |    |      |                                                  | 80       | П                     |          | $\neg$   | $\top$       |         |                 |                                                                   | 7       |          | 130        |                    | $\top$                                            |              |          |          | $\sqcap$ |          |          |
|                                    | 31       | Г                 |                                                  | Γ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Τ      | Т         |              |          |          | П        |    |      |                                                  | 81       |                       | T        | T        | T            | $\neg$  | П               |                                                                   | 7       |          | 131        |                    | T                                                 | 1            |          |          | $\Box$   | $\neg$   |          |
|                                    | 32       |                   |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Т      | T         |              |          |          |          |    |      |                                                  | 82       |                       |          |          |              |         |                 |                                                                   |         |          | 132        |                    |                                                   |              |          |          |          |          |          |
|                                    | 33       |                   |                                                  | Γ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Γ      | Ι         |              |          |          |          |    |      |                                                  | 83       |                       |          | _]       | $\Box$       |         |                 |                                                                   |         |          | 133        |                    | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oxed{\Box}$ |          |          |          | $\Box$   |          |
|                                    | 34       | Ĺ                 |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Γ      | Ι         | J            |          |          |          |    |      |                                                  | 84       | $\square$             | $\Box$   | $\Box$   | $oxed{oxed}$ | $\perp$ |                 |                                                                   |         |          | 134        |                    | $\perp$                                           | $oxed{\Box}$ |          |          | $\Box$   | $\Box$   |          |
|                                    | 35       | Ĺ                 | Ĺ                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |           |              |          |          | $\Box$   |    |      |                                                  | 85       | $\sqcup$              |          |          |              |         | Ш               |                                                                   | _       |          | 135        |                    |                                                   |              |          |          |          | $\Box I$ |          |
|                                    | 36       | Ĺ                 | Ĺ                                                | Ĺ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | L      | $\perp$   | $\Box$       |          |          |          |    |      |                                                  | 86       |                       |          |          |              | L       | $\Box$          |                                                                   | _       |          | 136        |                    | $oldsymbol{\perp}$                                |              |          |          | $\Box$   |          |          |
|                                    | 37       |                   |                                                  | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        | $\perp$   |              |          | Ш        |          |    |      |                                                  | 87       | Ш                     | $\Box$   | [        |              |         | Ш               |                                                                   | _       |          | 137        |                    |                                                   |              |          |          |          | $\Box$   |          |
|                                    | 38       |                   |                                                  | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | L      | Ţ         | $\perp$      |          |          | Ш        |    |      |                                                  | 88       |                       | $\bot$   | _[       |              | Ĺ       | Ш               |                                                                   | 4       |          | 138        |                    |                                                   | L            |          |          | Ц        | $\Box$   | $\Box$   |
| L                                  | 39       | L                 | L                                                | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ļ      | ⊥         | $\downarrow$ |          | Ш        | Щ        |    |      | <u></u>                                          | 89       | Ш                     | $\perp$  | $\dashv$ | $\perp$      | $\bot$  | $\sqcup$        | $\perp$                                                           | 4       |          | 139        | $\sqcup$           | ᆚ                                                 | 1_           | $\perp$  | Ш        | Ш        | _        | $\Box$   |
| <u></u>                            | 40       | $oxed{oxed}$      | L                                                | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}$ | L      | ⊥         | $\perp$      | _        | Ш        | Ш        |    |      | <u></u>                                          | 90       | Ш                     |          | _        | $\bot$       | $\bot$  | Ш               | $\sqcup \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | _       |          | 140        | $\perp$            | 丄                                                 | 1_           | $\perp$  | Ш        | Ш        | $\perp$  | _        |
| <u></u>                            | 41       | $ldsymbol{f eta}$ | _                                                | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ļ      | 1         | 4            | _        | Ш        | Ш        |    |      |                                                  | 91       | Ш                     | _        | 4        | $\bot$       | $\bot$  | $\sqcup$        |                                                                   | 4       |          | 141        | $\Box$             |                                                   | $\perp$      | $\perp$  | Ш        | Ш        | $\perp$  | _        |
| <u> </u>                           | 42       | _                 | L                                                | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1      | ↓         | _            | ļ        | Ш        | Ш        | _  |      |                                                  | 92       | Ш                     | _        | _        | $\perp$      | $\perp$ | $\sqcup$        | $\perp$                                                           | 4       | ļ        | 142        | $\perp \downarrow$ | 1                                                 | 1_           | 丄        | Щ        | Ш        |          | _        |
| <u></u>                            | 43       | L                 | 上                                                | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | L      | 1         | 4            |          | Ш        | Ш        |    |      | <u> </u>                                         | 93       | Ш                     | _        | $\dashv$ |              |         | $\sqcup$        |                                                                   | 4       |          | 143        | $\perp$            | $\bot$                                            | 4            | $\perp$  | Щ        | Ш        | $\dashv$ | _        |
|                                    | 44       | lacksquare        | L                                                | ↓_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1      | 1         | 4            | _        | Щ        | Щ        |    |      | <u> </u>                                         | 94       | Ш                     | _        |          | $\bot$       | $\bot$  | $\sqcup$        | $\perp \! \! \perp$                                               | 4       |          | 144        | $\perp$            | _ _                                               | 4-           | ┞        | Щ        | Ш        | _        | _        |
| $\sqcup$                           | 45       | L                 | _                                                | 1_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ╀-     | 4         | 4            | =        | Ш        | Щ        |    |      | <u> </u>                                         | 95       | $\sqcup$              | _        | 4        | _ _          | 4-      | $\sqcup$        |                                                                   | 4       |          | 145        | $\sqcup$           | 4                                                 | 4            | _        | Щ        | Ш        | _        | _        |
| <b> </b>                           | 46       | L                 | L                                                | ŀ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╀      | 4         | 4            | _        | Ш        | Ш        |    |      | <u> </u>                                         | 96       | $\sqcup$              | -        | -        | +            | +       | $\vdash$        |                                                                   | -       | <u> </u> | 146        | $\dashv$           | +                                                 | 4-           | $\vdash$ | Щ        | Ш        | _        | _        |
| $\sqsubseteq$                      | 47       | <u> </u>          | L                                                | ┡                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╀      | +         | 4            | _        |          | $\vdash$ |    |      |                                                  | 97       | $\sqcup$              | _        | $\dashv$ | +            | $\perp$ | $\sqcup$        | $\perp$                                                           | 4       |          | 147        | $\perp \downarrow$ | 4                                                 | +            | ↓_       |          | Ш        | _        | $\dashv$ |
| $\vdash$                           | 48       | <u> </u>          | -                                                | ├-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +      | +         | 4            | _        | $\sqcup$ |          | _  |      |                                                  | 98       | $\vdash \vdash$       |          | +        | +            | +       | $\vdash$        | $\vdash$                                                          | -       |          | 148        | -                  | - -                                               | +            | ╀-       | Щ        | $\sqcup$ | _        | 4        |
| $\vdash \vdash$                    | 49       | _                 | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ╀      | +         | 4            | _        | $\sqcup$ |          | _  |      | <u> </u>                                         | 99       | ${oldsymbol{\sqcup}}$ | $\dashv$ | $\dashv$ |              | -       | $\vdash$        | -                                                                 | -       |          | 149        | $\vdash$           | - -                                               | +            | ┞-       | Щ        | $\sqcup$ | _        | _        |
| L                                  | 50       |                   | 乚                                                | L.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 丄      | $\perp$   |              |          | Ш        | L        |    |      | L                                                | 100      | Ш                     |          |          |              |         | $oxed{oxed}$    | ot                                                                | _]::::: |          | 150        |                    | 丄                                                 |              | <u> </u> | Ш        | Ш        |          |          |